ORIGINAL

BEFORE THE

Federal Communications Commission

WASHINGTON, D.C.

In the Matter of	)	
Amendment of Section 73.622	)	
Table of Allotments	)	MM Docket No. 01-___
Digital Television Broadcast Stations	)	RM-___
(Lawton, Oklahoma)	)	

To: Chief, Video Services Division

PETITION FOR RULE MAKING

KSWO Television Company, Inc. ("KSWO"), licensee of KSWO-TV, Lawton, Oklahoma (NTSC Channel 7), pursuant to Section 1.401 and 73.622(a) of the Commission's rules (47 C.F.R. §§1.401 and 73.622(a)), hereby respectfully requests that the Commission initiate a rule making proceeding to substitute and allot DTV Channel 11 for KSWO's presently allotted DTV Channel 23 at the reference coordinates specified in the attached engineering exhibit. Substitution of DTV Channel 11 in the DTV Table of Allotments is in the public interest, as it would permit KSWO to operate with a VHF DTV channel, and would speed the transition to DTV by enabling KSWO to reduce its costs and utilize a common antenna from its existing broadcast tower.

As set forth in the Engineering Statement, (attached hereto as Exhibit A), digital operation on Channel 11 appears permissible with a non-directional effective radiated power ("ERP") of 138 kW, with an antenna height above average terrain (HAAT) of 327.3 meters. Thus, KSWO requests the following change to the DTV Table of Allotments:

	Current	Proposed
Lawton, Oklahoma	23	11

DISCUSSION

Consistent with the Commission's policy of granting broadcasters flexibility in order to encourage and expedite the transition to digital television,[1] KSWO-TV's proposed operation on DTV Channel 11 would facilitate the DTV transition by permitting KSWO to reduce the costs of building and operating its DTV station by utilizing a VHF DTV channel. In addition, KSWO proposes to collocate its digital operations on Channel 11 with its analog operation of KSWO-TV on Channel 7. Operation on Channel 11 will permit KSWO to use a common antenna from its existing tower and realize even greater efficiencies. Furthermore, it is believed that operation on VHF Channel 11 will improve the signal coverage for viewers in the Lawton community. Therefore, the proposed operations on DTV Channel 11 is in the public interest, as it will permit KSWO to reduce the costs of operating a digital station and speed the transition to DTV.

As demonstrated by the attached Engineering Statement, operation on DTV Channel 11 is consistent with the Commission's rules and policies, and would permit digital television service to the community of Lawton, Oklahoma. If the proposal set forth herein is adopted, KSWO will seek Commission consent to modify its current DTV construction permit in order to specify operation on DTV Channel 11.

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[1] *See* In the Matter of Review of the Commission's Rules and Policies Affecting the Conversion To Digital Television, Memorandum Opinion and Order on Reconsideration, MM Docket No. 00-39, FCC 01-330 (released November 15, 2001) (granting broadcasters greater flexibility to commence digital operations in order to expedite DTV transition).

CONCLUSION

KWSO respectfully requests that the Commission initiate the rule making requested herein and that it substitute DTV Channel 11 for DTV Channel 23 at Lawton, Oklahoma.

Respectfully submitted,

KSWO TELEVISION COMPANY, INC.

By: _____
David D. Oxenford
Brendan Holland

Its Attorneys

SHAW PITTMAN LLP
2300 N Street, N.W.
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Dated: December 18, 2001

EXHIBIT A

NOTARIZED COPY

ENGINEERING STATEMENT IN

SUPPORT OF PETITION

FOR RULEMAKING

DTV CHANNEL 11

KSWO-DT - LAWTON, OK

KSWO Television Company, Inc.
Lawton, OK

December 14, 2001

Prepared for: Mr. Larry Patton
KSWO Television Company, Inc.
P.O. Box 708
Lawton, OK 73502

CARL E. SMITH CONSULTING ENGINEERS

2324 N. CLEVE-MASS RD., BOX 807 330/659-4440 FAX: 330/659-9234 BATH, OHIO 44210-0807

CONTENTS

ENGINEERING AFFIDAVIT

State of Ohio)
) ss:
County of Summit)

Roy P. Stype, III, being duly sworn, deposes and states that he is a graduate Electrical Engineer, a qualified and experienced Communications Consulting Engineer whose works are a matter of record with the Federal Communications Commission and that he is a member of the Firm of "Carl E. Smith Consulting Engineers" located at 2324 North Cleveland-Massillon Road in the Township of Bath, County of Summit, State of Ohio, and that the Firm has been retained by the KSWO Television Company, Inc., to prepare the attached "Engineering Statement In Support of Petition For Rulemaking - DTV Channel 11 - KSWO-DT - Lawton, OK."

The deponent states that the Exhibit was prepared by him or under his direction and is true of his own knowledge, except as to statements made on information and belief and as to such statements, he believes them to be true.

Roy P. Stype, III

Subscribed and sworn to before me on **December 14, 2001.**

Nancy A. Adams
Notary Public

/SEAL/

NANCY A. ADAMS, Notary Public
Residence - Cuyahoga County
State Wide Jurisdiction, Ohio
My Commission Expires Sept. 5, 2005

ENGINEERING STATEMENT

1.0 GENERAL

This engineering statement is prepared on behalf of the KSWO Television Company, Inc., licensee of KSWO-TV - Lawton, Oklahoma, and permittee of construction permit BPCDT-19991029AHI for paired DTV station KSWO-DT. KSWO-TV presently operates on Channel 7 with a nondirectional effective radiated power of 316 kilowatts at 320 meters above average terrain. The above referenced construction permit authorizes KSWO-DT to construct facilities to operate on Channel 23 with a nondirectional effective radiated power of 950 kilowatts at 300.3 meters above average terrain from the KSWO-TV transmitter site. This engineering statement is prepared in support of a petition for rulemaking requesting the substitution of DTV Channel 11 for KSWO-DT's presently allotted DTV Channel 23 and the modification of the KSWO-DT construction permit to specify operation on Channel 11.

The proposed Channel 11 DTV operation would employ a nondirectional effective radiated power of 138 kilowatts at 327.3 meters above average terrain from the present KSWO-TV transmitter site. Pursuant to Section 73.623(d)(7)(i) of the FCC Rules, these proposed operating facilities, which are summarized in Table 1.0, are the maximum permitted at the proposed antenna height.

Figure 1.0 is a map exhibit depicting the predicted 43 dBu (principal community) and 36 dBu (noise limited) contours for these proposed Channel 11 DTV facilities in relation to the Lawton city limits. These contours were projected as outlined in Section 73.625(b) of the FCC Rules utilizing the proposed operating facilities outlined in Table 1.0 and terrain data extracted from the NGDC 30 second terrain database. As shown

in this figure, the proposed 43 dBu contour will encompass all of Lawton, as will be required by Section 73.625(a) of the FCC Rules beginning on December 31, 2004.[1]

Section 2.0 of this engineering statement presents the results of detailed interference studies which were conducted utilizing the methodology outlined in OET Bulletin 69. The data presented in this section documents that the proposed Channel 11 DTV facilities will provide the required protection to all other TV broadcast stations, both analog and DTV, requiring protection consideration.

Section 3.0 of this engineering statement addresses the protection requirements to Class A TV stations, as well as Class A eligible LPTV stations which timely filed a Class A license application which remains pending. As shown in this section, the proposed Channel 11 DTV facilities fail to provide the contour protection required by Section 73.623(c)(5) of the FCC Rules to KDSA-LP - Norman, Oklahoma, the one Class A TV facility which requires protection consideration. This section also includes the results of an analysis conducted utilizing the methodology outlined in OET Bulletin 69, which shows that the predicted interference to KDSA-LP does not exceed the 0.5% rounding tolerance permitted in this situation. Thus, it appears extremely unlikely that the proposed Channel 11 DTV facilities will result in interference to KDSA-LP. Based on this OET 69 analysis, a waiver of Section 73.623(c)(5) of the FCC Rules is respectfully requested with regard to KDSA-LP, pursuant to the provisions of Section 73.625(c)(5)(iii) of the FCC Rules.

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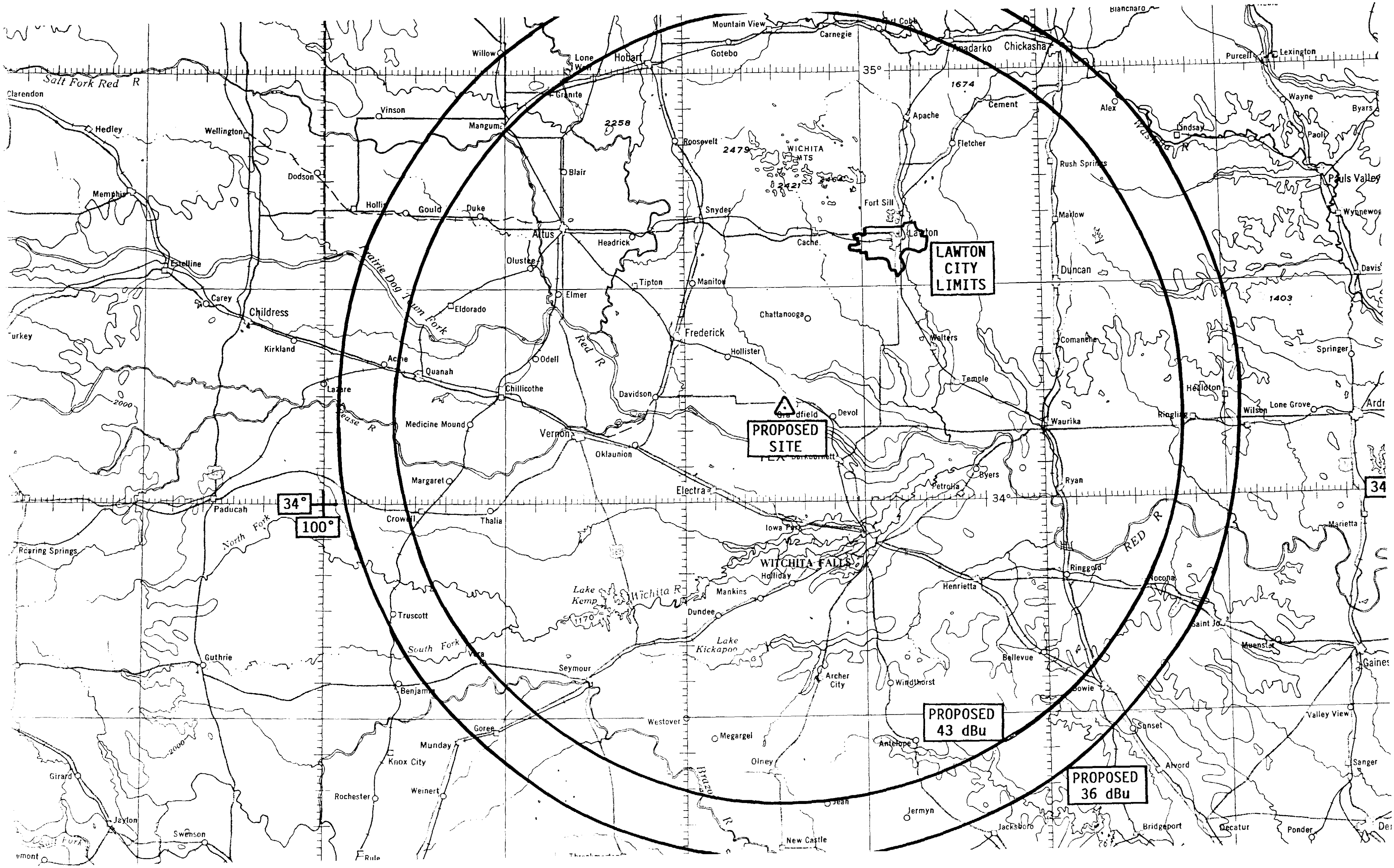
[1]Prior to December 31, 2004, Section 73.625(a) of the FCC Rules requires that the 36 dBu noise limited contour for a DTV station operating on Channel 11 encompass its entire community of license. As shown in Figure 1.0, the proposed DTV facilities will also easily comply with this interim, less restrictive requirement.

Based on the data contained in this engineering statement, DTV Channel 11 can be substituted for DTV Channel 23 in Lawton for use by KSWO-DT utilizing the operating facilities outlined in Table 1.0 while complying with the protection requirements to all other TV broadcast stations, both analog and DTV, requiring protection consideration. The proposed DTV facilities will also provide the required protection to all Class A and Class A eligible LPTV stations, assuming that the requested waiver is granted to permit the methodology outlined in OET Bulletin 69 to be utilized to document that the proposed facilities provide the required protection to KDSA-LP - Norman, Oklahoma.

TABLE 1.0

PROPOSED OPERATING FACILITIES
DTV CHANNEL 11
KSWO-DT - LAWTON, OK
KSWO Television Company, Inc.
Lawton, OK

Power:	138 kW (21.4 dBk) nondirectional
Antenna Height:	305.5m AGL 653.0m MSL 327.3m AAT
Site Coordinates (NAD27):	NL - 34° 12' 55" WL - 98° 43' 13"


LAWTON
CITY
LIMITS
PROPOSED
SITE
PROPOSED
43 dBu
PROPOSED
36 dBu
34°
100°
35°
Salt Fork Red R
Clarendon
Hedley
Wellington
Vinson
Mangum
Granite
Lone Wolf
Hobart
Willow
Mountain View
Gotebo
Carnegie
Fort Cobb
Anadarko
Chickasha
Purcell
Lexington
Wayne
Byars
Alex
Cement
Apache
Fletcher
1674
Lindsay
Paoli
Pauls Valley
Wynnewood
Rush Springs
Marlow
Duncan
Davis
1403
Dodson
Memphis
Hollis
Gould
Duke
Blair
Roosevelt
2258
2479
WICHITA
MTS
2421
Snyder
Fort Sill
Lawton
Cache
Altus
Headrick
Olustee
Estelline
Tipton
Manitou
Elmer
Carey
Childress
Eldorado
Chattanooga
Frederick
Walters
Comanche
Springer
Turkey
Kirkland
Odell
Red R
Hollister
Acme
Quanah
Chillicothe
Temple
Healdton
Lazare
Davidson
Devol
Waurika
Ringling
Wilson
Lone Grove
Ardmore
2000
Medicine Mound
Vernon
Oklaunion
Pease R
Burkburnett
Byers
Ryan
Margaret
Petrolia
Electra
Paducah
Crowell
Thalia
Iowa Park
Marietta
North Fork
Roaring Springs
WITCHITA FALLS
Holliday
Ringgold
RED R
Henrietta
Nocona
Lake Kemp
Wichita R
Mankins
1170
Truscott
Dundee
Saint Jo
Lake Kickapoo
Muenster
South Fork
Vera
Guthrie
Seymour
Archer City
Windthorst
Bellevue
Gainesville
Benjamin
Bowie
Goree
Westover
Valley View
Sunset
Munday
Megargel
Antelope
Knox City
Olney
Alvord
Sanger
Girard
Rochester
Weinert
Jean
Jermyn
Jayton
Swenson
Jacksboro
Bridgeport
Decatur
Ponder
New Castle
Rule

2.0 TV BROADCAST STATION PROTECTION

Studies were conducted utilizing the procedures outlined in FCC OET Bulletin 69 to evaluate the predicted increase in interference to other domestic TV broadcast facilities, both NTSC and DTV, requiring protection consideration from the proposed KSWO-DT Channel 11 DTV facilities. These interference studies were conducted utilizing the FCC's "FLR" computer program modified to run on a Windows 98/Windows NT platform and recompiled under the Compaq (DEC) Visual Fortran compiler. The version of the "FLR" program utilized in conducting these studies employed the same 2 kilometer cell size as was employed by the FCC in conducting the initial DTV allotment studies. This implementation of the "FLR" program was run for several stations utilizing the databases employed by the FCC to generate the benchmark values contained in Appendix B of the December 18, 1998 Second Memorandum Opinion and Order on Reconsideration of the Fifth and Sixth Report and Orders in MM Docket 87-268 and yielded results essentially identical to those found in Appendix B for these stations. Thus, it is felt that this implementation of the "FLR" program faithfully reproduces the results obtained by the FCC in their implementation of this program.

These interference studies were conducted on all NTSC and DTV facilities for which the proposed KSWO-DT site is located within the distances outlined in Table 7 of OET Bulletin 69 of the Grade B or Noise Limited contour. For NTSC stations holding a construction permit, the construction permit facilities were studied, as outlined in the FCC's August 10, 1998 Public Notice outlining the procedures to be employed in conducting this sort of interference studies. The licensed facilities were studied for NTSC facilities not holding a construction permit. The allotment facilities were studied for all DTV facilities. Normally, further studies would also be conducted to the proposed or

authorized facilities of DTV stations whose application or authorization specifies facilities exceeding those authorized by their DTV allotment (non-checklist facilities). In this case, however, the construction permit for the only DTV station requiring analysis is based on a checklist application, eliminating the need for any such further analysis of the facilities authorized by its DTV construction permit.

In conducting these interference studies, interfering NTSC stations holding a construction permit were considered to be operating with their construction permit facilities, while interfering NTSC stations not holding a construction permit were considered to be operating with their licensed facilities. Interfering DTV facilities who have not yet filed a construction permit application and authorized or proposed interfering DTV facilities which are based on a checklist application were considered to be operating with their DTV allotment facilities. For interfering DTV facilities which have a pending maximization application or have been authorized operating facilities based on a maximization application, the maximized facilities were considered in these studies only if they reduced the DTV Service or NTSC Service population for the station being studied below the value which occurs when the same station's DTV allotment facilities are considered or when it was obvious by inspection that the maximized facilities have a significantly greater potential to cause interference to the station being studied than the associated DTV allotment facilities. The only exception to this was when the facilities proposed in an ungranted maximization application would result in more than 2% new interference to the station being studied. In this situation, the facilities proposed in this maximization application were not considered in these studies, since they are not likely to be granted.

These studies were conducted to evaluate the impact of the proposed WGGN-DT operating facilities on seven other stations:

KTEN	Ada, OK	Channel 10	NTSC
KOED-TV	Tulsa, OK	Channel 11	NTSC
KTVT	Fort Worth, TX	Channel 11	NTSC
KCBD-TV	Lubbock, TX	Channel 11	NTSC
KLST-DT	San Angelo, TX	Channel 11	DTV
KWET	Cheyenne, OK	Channel 12	NTSC
KXII	Sherman, TX	Channel 12	NTSC

The results of these studies are tabulated in Tables 2.0 through 2.6. These tables contain a complete listing of the stations which were included in each study and the facilities which were considered for each station included in the study. They also contain the output of the "FLR" program for the station being studied, both with and without considering the proposed KSWO-DT Channel 11 DTV facilities.

As shown by this data, the proposed KSWO-DT Channel 11 DTV facilities would result in additional interference to the operating facilities studied for four of the other stations on which OET 69 interference studies were conducted:

KOED-TV	Tulsa, OK	Channel 11	NTSC
KTVT	Fort Worth, TX	Channel 11	NTSC
KCBD-TV	Lubbock, TX	Channel 11	NTSC
KLST-DT	San Angelo, TX	Channel 11	DTV

The new interference to all four of these stations is less than 2%, thus complying with the 2% de minimis criteria for new interference outlined in Section 73.623(c) of the FCC Rules. Furthermore, the total interference to each of these stations when the proposed KSWO-DT Channel 11 facilities are considered is less than 10%, thus complying with the 10% de minimis criteria for total interference outlined in this same rule section.

Based on the above information, the KSWO-DT Channel 11 DTV facilities proposed herein fully comply with the protection requirements to all other domestic TV broadcast facilities, both analog and DTV, requiring protection consideration.

TABLE 2.0

OET 69 INTERFERENCE STUDIES
KTEN - ADA, OK
(LICENSED FACILITIES)
KSWO Television Company, Inc.
Lawton, OK

STATION BEING STUDIED

Call	Location	Channel	Mode	Status	File Number
KTEN	Ada, OK	10	NTSC	Licensed	BLCT-19841022KI

STATIONS CONSIDERED IN STUDIES

Call	Location	Channel	Mode	Status	File Number
KAKE-TV	Wichita, KS	10	NTSC	Licensed	BLCT-20000112ABB
KWTV	Oklahoma City, OK	9	NTSC	Licensed	BLCT-19860922KP
KOED-TV	Tulsa, OK	11	NTSC	Licensed	BLET-19850403KI
KTVT	Fort Worth, TX	11	NTSC	Licensed	BLCT-19990623KE
KWTX-TV	Waco, TX	10	NTSC	Licensed	BLCT-19790730KP
WFAA-DT	Dallas, TX	9	DTV	Allotment	
KSWO-DT	Lawton, OK	11	DTV	Applicant	

STUDY RESULTS WITHOUT KSWO-DT

	POPULATION	AREA (sq km)
within Noise Limited Contour	455635	36916.5
not affected by terrain losses	437863	34937.2
lost to NTSC IX	51434	2725.5
lost to additional IX by ATV	0	0.0
lost to all IX	51434	2725.5

STUDY RESULTS WITH PROPOSED KSWO-DT FACILITIES

	POPULATION	AREA (sq km)
within Noise Limited Contour	455635	36916.5
not affected by terrain losses	437863	34937.2
lost to NTSC IX	51434	2725.5
lost to additional IX by ATV	0	0.0
lost to all IX	51434	2725.5

TABLE 2.0 (cont'd)

OET 69 INTERFERENCE STUDIES
KTEN - ADA, OK
(LICENSED FACILITIES)

SUMMARY OF STUDY RESULTS

	Without KSWO-DT	With Proposed KSWO-DT	Increase/(Decrease)
DTV Interference	0	0	0
Percent Loss*	0.00%	0.00%	0.00%

*Percent Loss calculations are based on total noise limited population of 455,635 from study results listed above.

TABLE 2.1

OET 69 INTERFERENCE STUDIES
KOED-TV - TULSA, OK
(LICENSED FACILITIES)
KSWO Television Company, Inc.
Lawton, OK

STATION BEING STUDIED

Call	Location	Channel	Mode	Status	File Number
KOED-TV	Tulsa, OK	11	NTSC	Licensed	BLET-19850403KI

STATIONS CONSIDERED IN STUDIES

Call	Location	Channel	Mode	Status	File Number
KTHV	Little Rock, AR	11	NTSC	Licensed	BLCT-19851127KU
KTWU	Topeka, KS	11	NTSC	CP	BPET-19990127KJ
KODE-TV	Joplin, MO	12	NTSC	Licensed	BLCT-19990702LD
KTEN	Ada, OK	10	NTSC	Licensed	BLCT-19841022KI
KTVT	Fort Worth, TX	11	NTSC	Licensed	BLCT-19990623KE
KSWO-DT	Lawton, OK	11	DTV	Applicant	

STUDY RESULTS WITHOUT KSWO-DT

	POPULATION	AREA (sq km)
within Noise Limited Contour	1157925	41030.7
not affected by terrain losses	1128648	38071.9
lost to NTSC IX	47560	3059.1
lost to additional IX by ATV	0	0.0
lost to all IX	47560	3059.1

STUDY RESULTS WITH PROPOSED KSWO-DT FACILITIES

	POPULATION	AREA (sq km)
within Noise Limited Contour	1157925	41030.7
not affected by terrain losses	1128648	38071.9
lost to NTSC IX	47560	3059.1
lost to additional IX by ATV	14426	1507.5
lost to all IX	61986	4566.5

TABLE 2.1 (cont'd)

OET 69 INTERFERENCE STUDIES
KOED-TV - TULSA, OK
(LICENSED FACILITIES)

SUMMARY OF STUDY RESULTS

	Without KSWO-DT	With Proposed KSWO-DT	Increase/(Decrease)
DTV Interference	0	14,426	14,426
Percent Loss*	0.00%	1.25%	1.25%

*Percent Loss calculations are based on total noise limited population of 1,157,925 from study results listed above.

TABLE 2.2

OET 69 INTERFERENCE STUDIES
KTVT - FORT WORTH, TX
(LICENSED FACILITIES)
KSWO Television Company, Inc.
Lawton, OK

STATION BEING STUDIED

Call	Location	Channel	Mode	Status	File Number
KTVT	Fort Worth, TX	11	NTSC	Licensed	BLCT-19990623KE

STATIONS CONSIDERED IN STUDIES

Call	Location	Channel	Mode	Status	File Number
KTEN	Ada, OK	10	NTSC	Licensed	BLCT-19841022KI
KOED-TV	Tulsa, OK	11	NTSC	Licensed	BLET-19850403KI
KHOU-TV	Houston, TX	11	NTSC	Licensed	BLCT-19920417KE
KXII	Sherman, TX	12	NTSC	Licensed	BLCT-19840229KF
KWTX-TV	Waco, TX	10	NTSC	Licensed	BLCT-19790730KP
KLST-DT	San Angelo, TX	11	DTV	Allotment	
KSWO-DT	Lawton, OK	11	DTV	Applicant	

STUDY RESULTS WITHOUT KSWO-DT

	POPULATION	AREA (sq km)
within Noise Limited Contour	4254069	40718.0
not affected by terrain losses	4226753	39202.5
lost to NTSC IX	60579	4080.2
lost to additional IX by ATV	8278	361.8
lost to all IX	68857	4442.0

STUDY RESULTS WITH PROPOSED KSWO-DT FACILITIES

	POPULATION	AREA (sq km)
within Noise Limited Contour	4254069	40718.0
not affected by terrain losses	4226753	39202.5
lost to NTSC IX	60579	4080.2
lost to additional IX by ATV	57177	3927.5
lost to all IX	117756	8007.7

TABLE 2.2 (cont'd)

OET 69 INTERFERENCE STUDIES
KTVT - FORT WORTH, TX
(LICENSED FACILITIES)

SUMMARY OF STUDY RESULTS

	Without KSWO-DT	With Proposed KSWO-DT	Increase/(Decrease)
DTV Interference	8,278	57,177	48,899
Percent Loss*	0.19%	1.34%	1.15%

*Percent Loss calculations are based on total noise limited population of 4,254,069 from study results listed above.

TABLE 2.3

OET 69 INTERFERENCE STUDIES
KCBD-TV - LUBBOCK, TX
(LICENSED FACILITIES)
KSWO Television Company, Inc.
Lawton, OK

STATION BEING STUDIED

Call	Location	Channel	Mode	Status	File Number
KCBD-TV	Lubbock, TX	11	NTSC	Licensed	BLCT-1286

STATIONS CONSIDERED IN STUDIES

Call	Location	Channel	Mode	Status	File Number
KVIH-TV	Clovis, NM	12	NTSC	Licensed	BLCT-1773
KLST-DT	San Angelo, TX	11	DTV	Allotment	
KPCB-DT	Snyder, TX	10	DTV	Allotment	
KSWO-DT	Lawton, OK	11	DTV	Applicant	

STUDY RESULTS WITHOUT KSWO-DT

	POPULATION	AREA (sq km)
within Noise Limited Contour	350717	25756.6
not affected by terrain losses	348826	24370.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1094	463.2
lost to all IX	1094	463.2

STUDY RESULTS WITH PROPOSED KSWO-DT FACILITIES

	POPULATION	AREA (sq km)
within Noise Limited Contour	350717	25756.6
not affected by terrain losses	348826	24370.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3341	2553.9
lost to all IX	3341	2553.9

TABLE 2.3 (cont'd)

OET 69 INTERFERENCE STUDIES
KCBD-TV - LUBBOCK, TX
(LICENSED FACILITIES)

SUMMARY OF STUDY RESULTS

	Without KSWO-DT	With Proposed KSWO-DT	Increase/(Decrease)
DTV Interference	1,094	3,341	2,247
Percent Loss*	0.31%	0.95%	0.64%

*Percent Loss calculations are based on total noise limited population of 350,717 from study results listed above.

TABLE 2.4

OET 69 INTERFERENCE STUDIES
KLST-DT - SAN ANGELO, TX
(ALLOTMENT FACILITIES)
KSWO Television Company, Inc.
Lawton, OK

STATION BEING STUDIED

Call	Location	Channel	Mode	Status	File Number
KLST-DT	San Angelo, TX	11	DTV	Allotment	

STATIONS CONSIDERED IN STUDIES

Call	Location	Channel	Mode	Status	File Number
KTVT	Fort Worth, TX	11	NTSC	Licensed	BLCT-19990623KE
KCBD-TV	Lubbock, TX	11	NTSC	Licensed	BLCT-1286
KTXS-TV	Sweetwater, TX	12	NTSC	Licensed	BLCT-1772
KPCB-DT	Snyder, TX	10	DTV	Allotment	
KSWO-DT	Lawton, OK	11	DTV	Applicant	

STUDY RESULTS WITHOUT KSWO-DT

	POPULATION	AREA (sq km)
within Noise Limited Contour	182519	36263.4
not affected by terrain losses	157561	34136.9
lost to NTSC IX	3392	1121.5
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	3392	1121.5

STUDY RESULTS WITH PROPOSED KSWO-DT FACILITIES

	POPULATION	AREA (sq km)
within Noise Limited Contour	182519	36263.4
not affected by terrain losses	157561	34136.9
lost to NTSC IX	3392	1121.5
lost to additional IX by ATV	125	156.8
lost to ATV IX only	2350	530.6
lost to all IX	3517	1278.3

TABLE 2.4 (cont'd)

OET 69 INTERFERENCE STUDIES
KLST-DT - SAN ANGELO, TX
(ALLOTMENT FACILITIES)

SUMMARY OF STUDY RESULTS

	Without KSWO-DT	With Proposed KSWO-DT	Increase/(Decrease)
DTV Service	154,169	154,044	(125)
Percent Loss(Gain)*	(0.11)%	(0.03)%	0.08%

*Percent Loss calculations are based on the benchmark DTV Service value of 154,000 from Appendix B of the December 18, 1998 Second Memorandum Opinion and Order on Reconsideration of the Fifth and Sixth Report and Orders in MM Docket 87-268.

TABLE 2.5

OET 69 INTERFERENCE STUDIES
KWET - CHEYENNE, OK
(LICENSED FACILITIES)
KSWO Television Company, Inc.
Lawton, OK

STATION BEING STUDIED

Call	Location	Channel	Mode	Status	File Number
KWET	Cheyenne, OK	12	NTSC	Licensed	BLET-19780717IP

STATIONS CONSIDERED IN STUDIES

Call	Location	Channel	Mode	Status	File Number
KWCH-TV	Hutchinson, KS	12	NTSC	Licensed	BLCT-1271
KVIH-TV	Clovis, NM	12	NTSC	Licensed	BLCT-1773
KETA-TV	Oklahoma City, OK	13	NTSC	Licensed	BLET-19860929KE
KXII	Sherman, TX	12	NTSC	Licensed	BLCT-19840229KF
KTXS-TV	Sweetwater, TX	12	NTSC	Licensed	BLCT-1772
KSWO-DT	Lawton, OK	11	DTV	Applicant	

STUDY RESULTS WITHOUT KSWO-DT

	POPULATION	AREA (sq km)
within Noise Limited Contour	111884	28660.5
not affected by terrain losses	90330	26218.4
lost to NTSC IX	14441	3111.1
lost to additional IX by ATV	0	0.0
lost to all IX	14441	3111.1

STUDY RESULTS WITH PROPOSED KSWO-DT FACILITIES

	POPULATION	AREA (sq km)
within Noise Limited Contour	111884	28660.5
not affected by terrain losses	90330	26218.4
lost to NTSC IX	14441	3111.1
lost to additional IX by ATV	0	0.0
lost to all IX	14441	3111.1

TABLE 2.5 (cont'd)

OET 69 INTERFERENCE STUDIES
KWET - CHEYENNE, OK
(LICENSED FACILITIES)

SUMMARY OF STUDY RESULTS

	Without KSWO-DT	With Proposed KSWO-DT	Increase/(Decrease)
DTV Interference	0	0	0
Percent Loss*	0.00%	0.00%	0.00%

*Percent Loss calculations are based on total noise limited population of 111,884 from study results listed above.

TABLE 2.6

OET 69 INTERFERENCE STUDIES
KXII - SHERMAN, TX
(LICENSED FACILITIES)
KSWO Television Company, Inc.
Lawton, OK

STATION BEING STUDIED

Call	Location	Channel	Mode	Status	File Number
KXII	Sherman, TX	12	NTSC	Licensed	BLCT-19840229KF

STATIONS CONSIDERED IN STUDIES

Call	Location	Channel	Mode	Status	File Number
KSLA-TV	Shreveport, LA	12	NTSC	Licensed	BLCT-1757
KODE-TV	Joplin, MO	12	NTSC	Licensed	BLCT-19990702LD
KWET	Cheyenne, OK	12	NTSC	Licensed	BLET-19780717IP
KETA-TV	Oklahoma City, OK	13	NTSC	Licensed	BLET-19860929KE
KERA-TV	Dallas, TX	13	NTSC	Licensed	BLET-19990419KE
KTVT	Fort Worth, TX	11	NTSC	Licensed	BLCT-19990623KE
KTXS-TV	Sweetwater, TX	12	NTSC	Licensed	BLCT-1772
KTHV-DT	Little Rock, AR	12	DTV	CP	BPCDT-19991020ABU
KAMU-DT	College Station, TX	12	DTV	Allotment	
KSWO-DT	Lawton, OK	11	DTV	Applicant	

STUDY RESULTS WITHOUT KSWO-DT

	POPULATION	AREA (sq km)
within Noise Limited Contour	761224	39411.0
not affected by terrain losses	735767	37492.3
lost to NTSC IX	352415	7738.8
lost to additional IX by ATV	0	0.0
lost to all IX	352415	7738.8

STUDY RESULTS WITH PROPOSED KSWO-DT FACILITIES

	POPULATION	AREA (sq km)
within Noise Limited Contour	761224	39411.0
not affected by terrain losses	735767	37492.3
lost to NTSC IX	352415	7738.8
lost to additional IX by ATV	0	0.0
lost to all IX	352415	7738.8

TABLE 2.6 (cont'd)

OET 69 INTERFERENCE STUDIES
KXII - SHERMAN, TX
(LICENSED FACILITIES)

SUMMARY OF STUDY RESULTS

	Without KSWO-DT	With Proposed KSWO-DT	Increase/(Decrease)
DTV Interference	0	0	0
Percent Loss*	0.00%	0.00%	0.00%

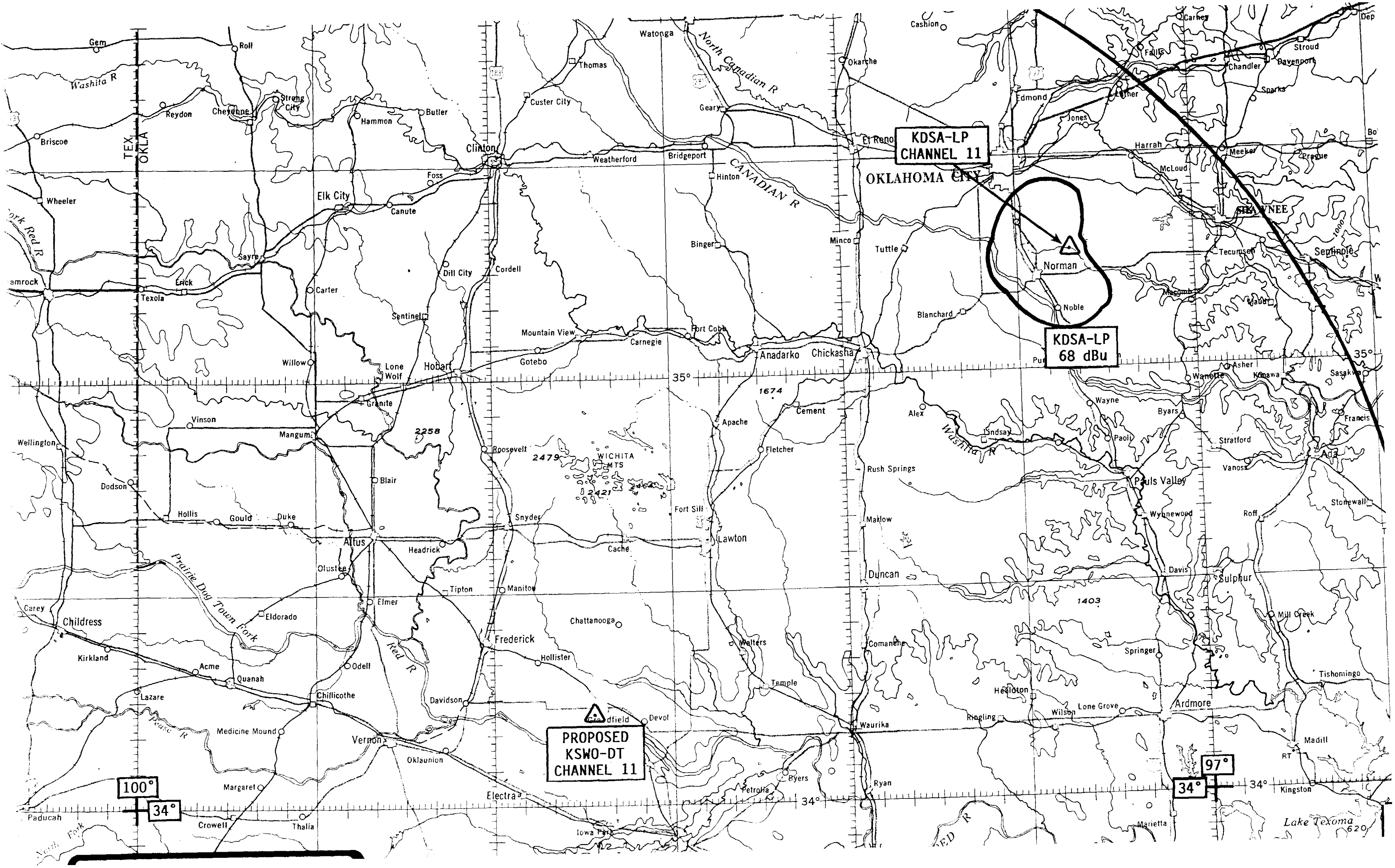
*Percent Loss calculations are based on total noise limited population of 761,224 from study results listed above.

3.0 CLASS A TV PROTECTION

Pursuant to Section 73.625(c)(5) of the FCC Rules, it is also necessary for the proposed KSWO-DT Channel 11 DTV facilities to provide the required protection to licensed Class A TV stations and Class A eligible LPTV stations which timely filed a Class A license application which remains pending. There is only one station meeting these criteria which requires protection consideration from the proposed Channel 11 DTV facilities - KDSA-LP - Norman, Oklahoma, which operates on Channel 11 and has been granted a Class A license.

The protection requirements to KDSA-LP as a Class A TV station prohibit any overlap between the 34 dBu interfering contour for the proposed KSWO-DT operating facilities and the 68 dBu protected contour for KDSA-LP. Figure 3.0 is a map exhibit depicting these contours. As shown in this figure, the 34 dBu interfering contour for the proposed KSWO-DT Channel 11 DTV facilities will totally encompass the 68 dBu protected contour for the presently licensed operating facilities of KDSA-LP. Thus, the proposed Channel 11 DTV facilities fail to provide the contour protection to KDSA-LP required by this rule section.

Section 73.625(c)(5)(iii) of the FCC Rules, however, permits the use of alternate prediction methodologies, including that outlined in OET Bulletin 69, to document that no interference is likely to occur in spite of such prohibited contour overlap to support a request for a waiver of these contour protection criteria. Such OET 69 studies were conducted to evaluate the new interference which would be predicted to KDSA-LP from the proposed Channel 11 DTV facilities. These studies were conducted in the same manner as described in Section 2.0 of this engineering statement, except that a one kilometer cell size was employed to insure sufficient accuracy in light of the extremely


KDSA-LP
CHANNEL 11
KDSA-LP
68 dBu
PROPOSED
KSWO-DT
CHANNEL 11
100°
34°
97°
34°
35°
OKLAHOMA CITY
SHAWNEE
Norman
Noble
Edmond
El Reno
Tuttle
Minco
Blanchard
Chickasha
Anadarko
Lawton
Fort Sill
Duncan
Ardmore
Pauls Valley
Wichita Falls
Vernon
Frederick
Altus
Mangum
Hobart
Clinton
Elk City
Weatherford
Childress
Quanah
Chillicothe
Waurika
Walters
Temple
Devol
Electra
Iowa Park
WICHITA MTS
CANADIAN R
North Canadian R
Washita R
Prairie Dog Town Fork
Red R
Pease R
Lake Texoma
TEX
OKLA
Sulphur
Davis
Wynnewood
Tecumseh
Seminole
Ada
Stroud
Chandler
Meeker
Harrah
McLoud
Carney
Davenport
Guthrie
Watonga
Geary
Hinton
Binger
Fort Cobb
Carnegie
Mountain View
Gotebo
Cordell
Sentinel
Carter
Sayre
Erick
Texola
Willow
Granite
Lone Wolf
Roosevelt
Snyder
Cache
Manitou
Tipton
Headrick
Olustee
Elmer
Eldorado
Duke
Gould
Hollis
Dodson
Wellington
Vinson
Blair
Apache
Fletcher
Cement
Alex
Rush Springs
Marlow
Comanche
Ringling
Healdton
Wilson
Lone Grove
Springer
Ryan
Marietta
Madill
Kingston
Tishomingo
Mill Creek
Roff
Stonewall
Vanoss
Stratford
Byars
Paoli
Wayne
Wanette
Asher
Konawa
Sasakwa
Francis
Maud
Macomb
Chattanooga
Hollister
Davidson
Odell
Acme
Kirkland
Lazare
Medicine Mound
Margaret
Crowell
Thalia
Paducah
Oklaunion
Byers
Petrolia
Carey
Briscoe
Wheeler
Reydon
Cheyenne
Strong City
Hammon
Butler
Custer City
Thomas
Foss
Canute
Dill City
Bridgeport
Okarche
Cashion
Jones
Luther
Sparks
Prague
Gem
Roll
Dep
1674
2258
2479
2421
2464
1403
620
1000

small size of the protected service area for KDSA-LP. The results of these studies are presented in Table 3.0. As shown in this table, the proposed KSWO-DT Channel 11 DTV facilities would result in new interference to 301 persons within the KDSA-LP protected contour. This amounts to 0.17% of the population within the KDSA-LP protected contour. Since this is less than the 0.5% rounding tolerance permitted in this situation, this predicted interference is not cognizable.

Based on the above information, it is not likely that the proposed KSWO-DT Channel 11 DTV facilities will result in interference to KDSA-LP. Thus, based on this information, pursuant to the provisions of Section 73.625(c)(5)(iii) of the FCC Rules, a waiver of Section 73.625(c)(5) of the FCC Rules is respectfully requested to permit DTV Channel 11 to be allotted to Lawton for use by KSWO-DT with the operating facilities described in Section 1.0 of this engineering statement in spite of this prohibited contour overlap.

TABLE 3.0

OET 69 INTERFERENCE STUDIES
KDSA-LP - NORMAN, OK
(LICENSED FACILITIES)
KSWO Television Company, Inc.
Lawton, OK

STATION BEING STUDIED

Call	Location	Channel	Mode	Status	File Number
KDSA-LP	Norman, OK	11	NTSC	Licensed	BLTVL-20010417AAL

STATIONS CONSIDERED IN STUDIES

Call	Location	Channel	Mode	Status	File Number
KOED-TV	Tulsa, OK	11	NTSC	Licensed	BLET-19850403KI
KTVT	Fort Worth, TX	11	NTSC	Licensed	BLCT-19990623KE
KSWO-DT	Lawton, OK	11	DTV	Applicant	

STUDY RESULTS WITHOUT KSWO-DT

	POPULATION	AREA (sq km)
within Noise Limited Contour	182470	822.9
not affected by terrain losses	182470	822.9
lost to NTSC IX	0	1.0
lost to additional IX by ATV	0	0.0
lost to all IX	0	1.0

STUDY RESULTS WITH PROPOSED KSWO-DT FACILITIES

	POPULATION	AREA (sq km)
within Noise Limited Contour	182470	822.9
not affected by terrain losses	182470	822.9
lost to NTSC IX	0	1.0
lost to additional IX by ATV	301	6.0
lost to all IX	301	7.0

TABLE 3.0 (cont'd)

OET 69 INTERFERENCE STUDIES
KDSA-LP - NORMAN, OK
(LICENSED FACILITIES)

SUMMARY OF STUDY RESULTS

	Without KSWO-DT	With Proposed KSWO-DT	Increase/(Decrease)
DTV Interference	0	301	301
Percent Loss*	0.00%	0.17%	0.17%

*Percent Loss calculations are based on total noise limited population of 182,470 from study results listed above.

CERTIFICATE OF SERVICE

I, Rhea Lytle, a secretary in the law firm of Shaw Pittman, hereby certify that on this 18th day of December, 2001, I caused to be served by hand delivery a copy of the foregoing **"Petition for Rule Making,"** on the following:

John A. Karousos, Chief
Allocations Branch
Policy and Rules Division
Mass Media Bureau
Federal Communications Commission
445 12th Street, S.W.
Room 3-A320
Washington, D.C. 20554

Rhea Lytle